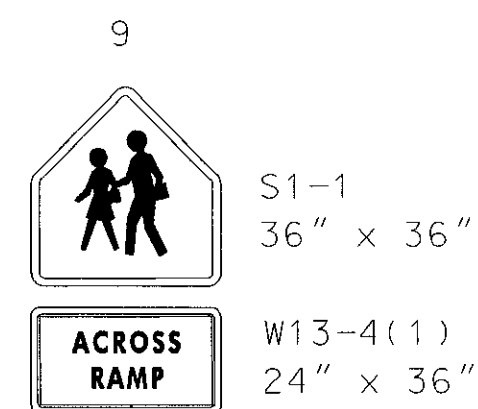
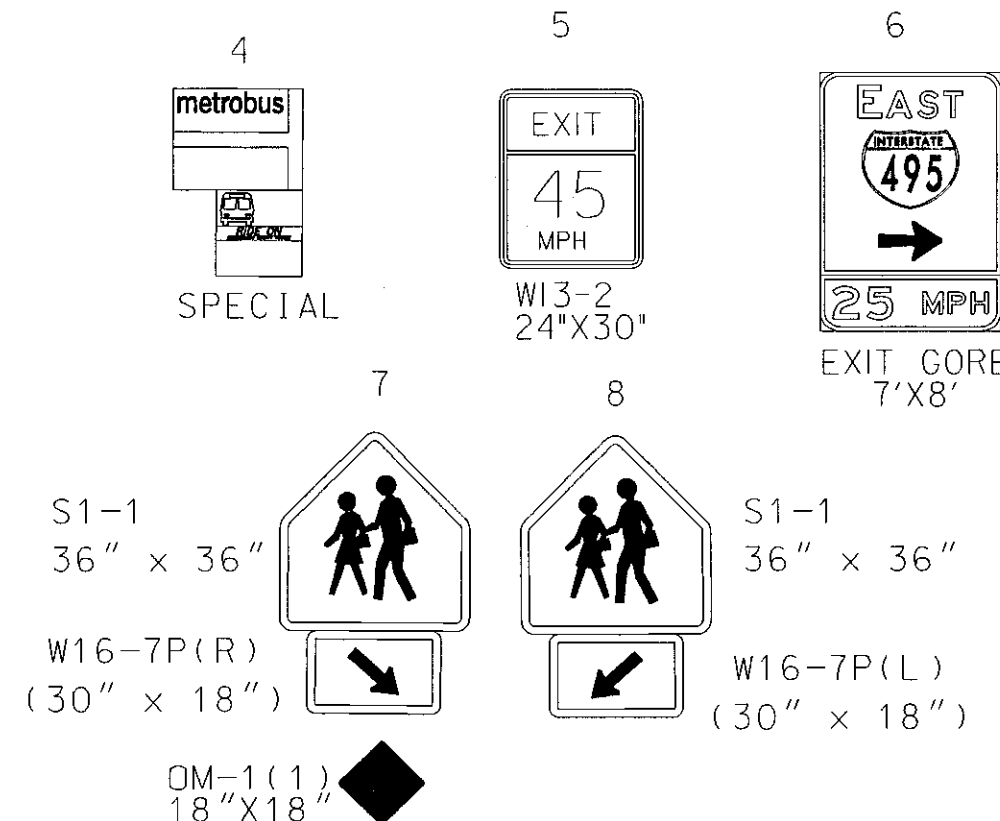


U.S. 29 IS ASSUMED  
TO RUN IN A  
NORTH / SOUTH DIRECTION

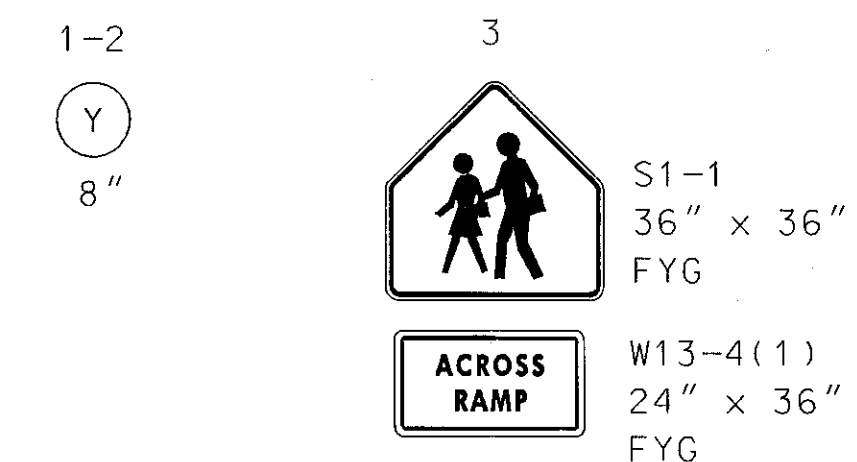
### EXISTING SIGN TO BE REMOVED



### EXISTING SIGNS



### PROPOSED SIGNALS AND SIGNS



TO WHITE OAK

U.S. 29 SOUTHBOUND

U.S. 29 NORTHBOUND

### CONSTRUCTION DETAILS

- INSTALL THE 14' BREAKAWAY PEDESTAL POLE, \*6\"
- INSTALL HANDHOLE.
- INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED.
- INSTALL 4 INCH SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED. STUB OUT CONDUIT BEND AT BASE OF POWER POLE FOR SERVICE. PROVIDE 35 FT. OF COIL SLACK, 3 - 1 CONDUCTOR NO. 8 (AWG) AT BASE OF POWER POLE.
- INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - BORED.
- REMOVE EXISTING SIGN AND SUPPORT.
- INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED.
- INSTALL CONCRETE PAD WITH ALUMINUM LGS ACTIVATION BOLLARD (NOTE: ONE 2 IN. PVC SCHEDULE 80 CONDUIT BENDS IN BASE OF BOLLARD). PLACE 20' IN ADVANCE OF CROSSWALK
- INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - SLOTTED.
- INSTALL METERED SERVICE PEDESTAL WITH 60 AMP MAIN BREAKER AND 1 - 1P 30A BREAKER
- INSTALL IN-ROAD WARNING LIGHT IN FRONT OF CROSSWALK MARKINGS AS SHOWN ON THE PLAN (LIGHTS SHALL BE AIMED TO MAXIMIZE VISIBILITY TO ONCOMING TRAFFIC. (NOTE: WORK NOT TO BE COMPLETED UNTIL FINAL RESURFACING AND CROSSWALK INSTALLATION IS COMPLETED THROUGH ONGOING BRIDGE REHAB PROJECT.)
- INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT. INSTALL (3) LOOP WIRES IN CONDUIT FOR WARNING SIGNAL ACTIVATION.
- INSTALL 4\"

### GENERAL NOTES

- THE CONTRACTOR SHALL VERIFY ALL PROPOSED BOLLARD, CABINET AND IN-ROAD LIGHTING LOCATIONS PRIOR TO INSTALLATION.
- ALL UNDERGROUND UTILITIES ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL CONTACT \*MISS UTILITY\* PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED.
- THE IN-ROAD LIGHTING SHALL BE PLACED IN THE CENTER OF EACH LANE, CENTER OF THE ROAD AND AT THE FACE OF CURB.
- PRIOR TO INSTALLATION THE CONTRACTOR SHALL CONTACT MR. CURTIS FASICK LIGHTGUARD SALES REPRESENTATIVE AT (703)-304-5463 TO COME TO THE SITE AND OVERSEE THE HIGHWAY IN-ROAD LIGHTING SYSTEM INSTALLATION.
- MOUNTING RING FOR WARNING SIGNAL SHALL BE FLUSH WITH PAVEMENT. FOR FURTHER WARNING SIGNAL INSTALLATION DETAILS REFER TO LIGHTGUARD INSTALLATION MANUAL No. 3-3.0
- ALL SIGNAL STRUCTURE FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
- CONTRACTOR SHALL COORDINATE WITH FIELD PROJECT ENGINEER AND SHA TRAFFIC OPERATIONS TO SCHEDULE WORK DUE TO ONGOING BRIDGE REHAB PROJECT.

#### EQUIPMENT LEGEND

- PEDESTRIAN BOLLARD SENSOR
- TRAFFIC BEARING CROSSWALK IN-ROAD LIGHT (LED)

#### UTILITY LEGEND

- |      |    |                  |
|------|----|------------------|
| —SD— | SD | STORM DRAIN      |
| —G—  | G  | GAS MAIN         |
| —W—  | W  | WATER MAIN       |
| —S—  | S  | SEWER MAIN       |
| —E—  | E  | ELECTRIC CABLES  |
| —A—  | A  | AERIAL CABLES    |
| —T—  | T  | TELEPHONE CABLES |

APPROVALS	
<i>Michael R. 8/9/04</i>	8/9/04
<i>Michael R. 8/9/04</i>	8/9/04
<i>BPX 8/9/04</i>	8/9/04
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION	
<i>J. H. 8/11/04</i>	
DIRECTOR, OFFICE OF TRAFFIC & SAFETY	

CHIEF: MONTGOMERY/2008 TOP: AT&S-08			
MARYLAND DOT - STATE HIGHWAY ADMINISTRATION			
Office of Traffic & Safety			
TRAFFIC ENGINEERING DESIGN DIVISION			
U.S. 29 NORTHBOUND (COLESVILLE ROAD)			
@ RAMP TO I-495 EAST			
SILVER SPRING, MARYLAND			
DRAWN BY: D. EBY	F.A.P. NO. AUGUST, 2004	TS NO. 4342	SHEET NO. 1 OF 2
CHECKED BY: M. RUCKER	S.H.A. NO. AT3565185		
SCALE: 1"=20'	COUNTY: MONTGOMERY	T.I.M.S. NO. F835	
DATE: MARCH, 2004	LOG MILE: 150029		